

DBMS Lab **Assignment-1**

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Question 1

Code:

```
create table emp(Sno int, Name varchar(255), Designation varchar(255),  
  
Branch varchar(255)); insert into emp values(1,'AAA','Manager','Chennai');  
  
insert into emp values(2,'BBB','Supervisor','Madurai');  
  
insert into emp values(3,'CCC','Assistant','Tirchy');  
  
alter table emp add(Salary decimal);  
  
desc emp  
  
alter table emp rename column Salary to Wage;  
  
desc emp  
  
create table Employee(Sno int, Name varchar(255), Designation varchar(255), Branch varchar(255), Wage  
decimal);  
  
insert into Employee select * from emp;  
  
select * from Employee;  
  
truncate table emp  
  
select * from emp;  
  
delete from Employee where Sno=2;  
  
select * from Employee;  
  
drop table Employee;
```

Output :

TABLE EMP

Column	Null?	Type
SNO	-	NUMBER
NAME	-	VARCHAR2(255)
DESIGNATION	-	VARCHAR2(255)
BRANCH	-	VARCHAR2(255)
SALARY	-	NUMBER

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5 rows selected.

TABLE EMP

Column	Null?	Type
SNO	-	NUMBER
NAME	-	VARCHAR2(255)
DESIGNATION	-	VARCHAR2(255)
BRANCH	-	VARCHAR2(255)
WAGE	-	NUMBER

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5 rows selected.

```
insert into Employee select * from emp
```

3 row(s) inserted.

```
select * from Employee
```

SNO	NAME	DESIGNATION	BRANCH	WAGE
1	AAA	Manager	Chennai	-
2	BBB	Supervisor	Madurai	-
3	CCC	Assistant	Tirchy	-

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```
select * from emp
```

SNO	NAME	DESIGNATION	BRANCH	WAGE
1	AAA	Manager	Chennai	-
2	BBB	Supervisor	Madurai	-
3	CCC	Assistant	Tirchy	-

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3 rows selected.

```
delete from Employee where Sno=2
```

1 row(s) deleted.

```
select * from Employee
```

SNO	NAME	DESIGNATION	BRANCH	WAGE
1	AAA	Manager	Chennai	-
3	CCC	Assistant	Tirchy	-

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2 rows selected.

Question 2

Code:

```
create table bank(Sno int, Cus_name varchar(255), Acc_no int, Balance decimal,  
Cus_branch varchar(255)); insert into bank values(1,'XXX',12378,100000,'Adyar');
```

```
insert into bank values(2,'YYY',12368,152500,'Mylapore');
```

```
insert into bank values(3,'ZZZ',12345,250000,'Annasalai');
```

```
select * from bank;
```

```
select * from bank where Sno=2;
```

```
select * from bank where balance>100000;
```

```
update bank set Cus_branch = 'Poonamallee' where Sno=2;
```

```
select * from bank;
```

Output:

```
select * from bank
```

SNO	CUS_NAME	ACC_NO	BALANCE	CUS_BRANCH
1	XXX	12378	100000	Adyar
2	YYY	12368	152500	Mylapore
3	ZZZ	12345	250000	Annasalai

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3 rows selected.

```
select * from bank where Sno=2
```

SNO	CUS_NAME	ACC_NO	BALANCE	CUS_BRANCH
2	YYY	12368	152500	Mylapore

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```
select * from bank where balance>100000
```

SNO	CUS_NAME	ACC_NO	BALANCE	CUS_BRANCH
2	YYY	12368	152500	Mylapore
3	ZZZ	12345	250000	Annasalai

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2 rows selected.

```
update bank set Cus_branch = 'Poonamallee' where Sno=2
```

1 row(s) updated.

```
select * from bank
```

SNO	CUS_NAME	ACC_NO	BALANCE	CUS_BRANCH
1	XXX	12378	100000	Adyar
2	YYY	12368	152500	Poonamallee
3	ZZZ	12345	250000	Annasalai

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3 rows selected.

Question 3

Code:

```
create table instructor(Name varchar(255),  
Dept varchar(255), Salary decimal); insert  
into instructor values('A','CSE',50000); insert  
into instructor values('B','CSE',80000);  
  
insert into instructor values('C','CSE',100000);  
insert into instructor values('D','ECE',20000  
  
insert into instructor values('E','ECE',40000);  
insert into instructor values('F','ECE',80000);  
insert into instructor values('G','MEC',60000);  
insert into instructor values('H','MEC',150000);  
insert into instructor values('I','MEC',50000);  
  
select * from instructor;  
  
select * from instructor where dept='CSE' and Salary>70000;
```

Output:

NAME	DEPT	SALARY
A	CSE	50000
B	CSE	80000
C	CSE	100000
D	ECE	20000
E	ECE	40000
F	ECE	80000
G	MEC	60000
H	MEC	150000
I	MEC	50000

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9 rows selected.

```
select * from instructor where dept='CSE' and Salary>70000
```

NAME	DEPT	SALARY
B	CSE	80000
C	CSE	100000

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2 rows selected.

